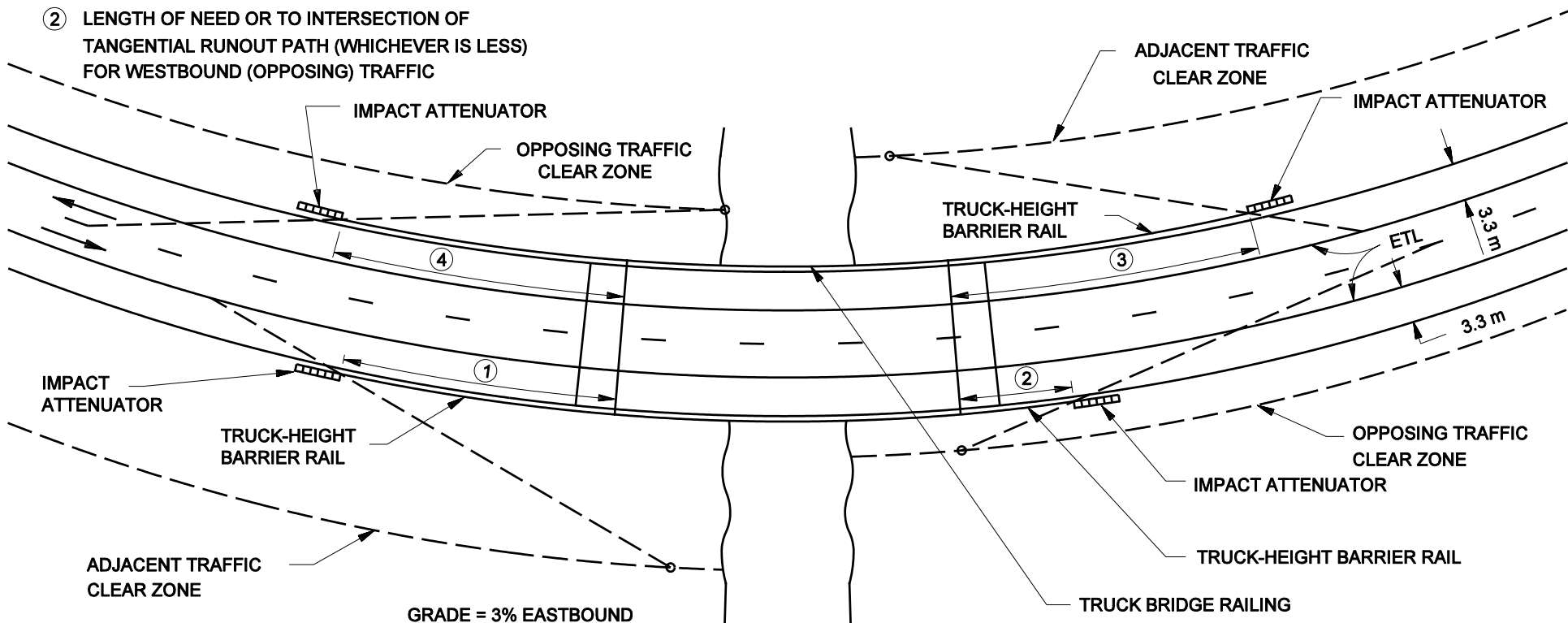


① LENGTH OF NEED OR TO INTERSECTION OF
TANGENTIAL RUNOUT PATH (WHICHEVER IS LESS)
FOR EASTBOUND (ADJACENT) TRAFFIC

② LENGTH OF NEED OR TO INTERSECTION OF
TANGENTIAL RUNOUT PATH (WHICHEVER IS LESS)
FOR WESTBOUND (OPPOSING) TRAFFIC

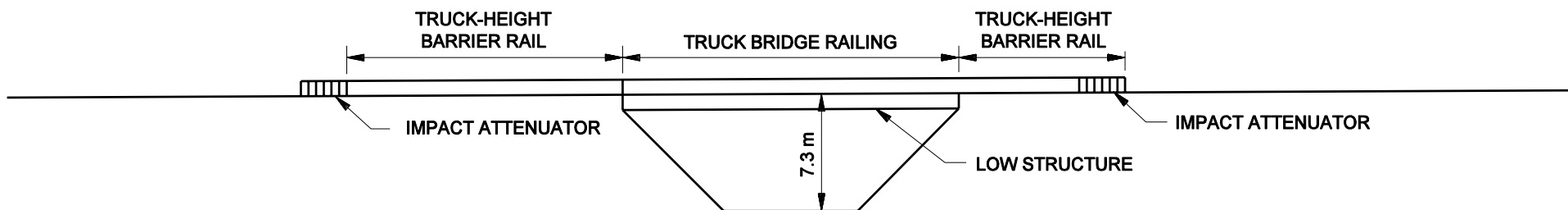
③ LENGTH OF NEED FOR WESTBOUND (ADJACENT) TRAFFIC

④ LENGTH OF NEED FOR EASTBOUND (OPPOSING) TRAFFIC



GRADE = 3% EASTBOUND
HORIZONTAL RADIUS = 435 m EASTBOUND

PLAN



ELEVATION - EASTBOUND SHOULDER

Example 49-9.2

Figure 49-9F